

STEREO MOC Status Report
Time Period: 2011:024 - 2011:030

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 025, during the DSS 65 support, turbo decoder lock was lost intermittently at 0658z and again at 0742z. This resulted in the loss of 13 frames of instrument SSR data. A DR has been requested.
- On day 027, during the DSS 25 support, command modulation was nine minutes late beginning at 1527z. All SSR data was recovered. See DR# G111026 for more information.
- On day 029, during the DSS 34 support, telemetry lock was nine minutes late at BOT due to sub reflector anomaly at the station. This resulted in the loss of nine minutes of real-time telemetry. All SSR data was recovered. See DR# C107900 for more information.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Ahead was 5.9 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 024, during the DSS 65 support, the receiver lost connection to the DCD at 1804z. A redundant receiver was placed on-line and the anomaly was cleared at 1807z. This resulted in the loss of several minutes of instrument SSR data. See DR# M106137 for more information.
- On day 025, during the DSS 55 support, turbo decoder lock was lost briefly at 1813z. This resulted in the loss of one frame of instrument SSR data. See DR# N107054 for more information.
- On day 026, during the DSS 45 support, telemetry lock was 38 minutes late at BOT due to corrective maintenance to replace two failed transmitter power supplies at the station. This resulted in the loss of 38 minutes of real-

time telemetry, command, tracking data and several minutes of instrument SSR data. See DR# C107895 for more information.

- On day 027, during the DSS 26 support, the DCD failed over to the redundant side at 0000z. Later in the support, another DCD anomaly occurred at 0215z to 0258z. These anomalies resulted in the loss of three hours of instrument SSR data. See DR# N107069 and G111025 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 027, the 29th momentum dump was successfully executed at 1900z, which imparted a delta V of 0.067 m/sec.
- The average daily SSR playback volume for Behind was 5.0 Gbits during this week.